

Title (en)
ELECTROSURGICAL SYSTEM

Title (de)
ELEKTROCHIRURGISCHES SYSTEM

Title (fr)
SYSTÈME ÉLECTROCHIRURGICAL

Publication
EP 4197469 A1 20230621 (EN)

Application
EP 23154961 A 20150518

Priority

- US 201461994415 P 20140516
- US 201461994192 P 20140516
- US 201461994215 P 20140516
- US 201461994185 P 20140516
- EP 15727176 A 20150518
- US 2015031452 W 20150518

Abstract (en)
An electrosurgical generator arranged to supply radio frequency (RF) energy to fuse tissue is provided. The generator is arranged to supply RF energy through a removably coupled electrosurgical instrument to fuse tissue grasped by the instrument. The generator monitors a phase angle of the supplied RF energy and adjusts or terminates the supplied RF energy based on the monitored phase angle in comparison to predetermined thresholds and conditions to optimally fuse the tissue. The electrosurgical instrument conducts radio frequency energy to fuse tissue captured between the jaws and a blade to mechanically cut tissue between the jaws. A conductive post positioned on the jaw adjacent to the blade

IPC 8 full level
A61B 18/12 (2006.01); **A61B 18/14** (2006.01)

CPC (source: EP KR US)
A61B 18/1233 (2013.01 - EP KR US); **A61B 18/1445** (2013.01 - EP KR US); **A61B 90/03** (2016.02 - KR);
A61B 2018/00077 (2013.01 - EP KR US); **A61B 2018/00607** (2013.01 - EP KR US); **A61B 2018/00619** (2013.01 - US);
A61B 2018/00642 (2013.01 - EP KR US); **A61B 2018/00708** (2013.01 - KR US); **A61B 2018/00738** (2013.01 - EP US);
A61B 2018/00767 (2013.01 - EP US); **A61B 2018/00869** (2013.01 - EP KR US); **A61B 2018/00892** (2013.01 - EP KR US);
A61B 2018/126 (2013.01 - US); **A61B 2018/1455** (2013.01 - EP KR US); **A61B 2090/034** (2016.02 - EP KR US)

Citation (applicant)

- US 41666809 A 20090401
- US 41675109 A 20090401
- US 41669509 A 20090401
- US 41676509 A 20090401
- US 41612809 A 20090331

Citation (search report)

- [A] US 2009270852 A1 20091029 - TAKASHINO TOMOYUKI [JP], et al
- [A] US 2009171350 A1 20090702 - DYCUS SEAN T [US], et al
- [A] US 2013046295 A1 20130221 - KERR DUANE E [US], et al
- [A] EP 2158867 A1 20100303 - TYCO HEALTHCARE [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015176074 A2 20151119; WO 2015176074 A3 20160121; AU 2015258819 A1 20161110; AU 2015258819 B2 20191212;
AU 2020201543 A1 20200319; AU 2020201543 B2 20210603; AU 2021225129 A1 20210930; AU 2021225129 B2 20231116;
CA 2948855 A1 20151119; EP 3142583 A2 20170322; EP 3142583 B1 20230412; EP 4197469 A1 20230621; ES 2945708 T3 20230706;
JP 2017515645 A 20170615; JP 2020000886 A 20200109; JP 2022137050 A 20220921; JP 6573663 B2 20190911; JP 7091292 B2 20220627;
KR 102413537 B1 20220627; KR 102537276 B1 20230526; KR 20170009923 A 20170125; KR 20220092640 A 20220701;
KR 20230076143 A 20230531; US 10149713 B2 20181211; US 11672589 B2 20230613; US 2016000495 A1 20160107;
US 2019105096 A1 20190411; US 2023346454 A1 20231102

DOCDB simple family (application)
US 2015031452 W 20150518; AU 2015258819 A 20150518; AU 2020201543 A 20200303; AU 2021225129 A 20210830;
CA 2948855 A 20150518; EP 15727176 A 20150518; EP 23154961 A 20150518; ES 15727176 T 20150518; JP 2017512893 A 20150518;
JP 2019148541 A 20190813; JP 2022096488 A 20220615; KR 20167035310 A 20150518; KR 20227021095 A 20150518;
KR 20237017296 A 20150518; US 201514848116 A 20150908; US 201816209759 A 20181204; US 202318330778 A 20230607